CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.09/KRIDL/WMM/Gradation/2013-14 07.03.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Technical Manager,** KRIDL, Bangalore.

Name of Work : Improvements and Asphalting to Telecom Layout road from more to Kempegowda Nagar in Ward No.09 in Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/VSD/PR/445/6/2013-14 Dated: 28.02.2014

Date of Testing : 07.03.2014

Material : WMM

Sample Location : WMM Mix Plant Oven Dry Wt (gm): **25600**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	995	995	3.9	96.1	95-100
22.4	5590	6585	25.7	74.3	60-80
11.2	5780	12365	48.3	51.7	40-60
4.75	4150	16515	64.5	35.5	25-40
2.36	3990	20505	80.1	19.9	15-30
0.600	2285	22790	89.0	11.0	8-22
0.075	2525	25315	98.9	1.1	0-8

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

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Job No.: CTCE/BBMP/W.No.09/KRIDL/SDBC/Bitumen/2013-14 14.03.2014

BITUMEN CONTENT AND GRADATION DETERMINATION OF SEMI DENSE BITUMINOUS CONCRETE MIX

AASHTO T 164 & AASHTO T 30

CLIENT	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP,
AGENCY	**Technical Manager,** KRIDL, Bangalore.
NAME OF THE WORK	Improvements and Asphalting to Telecom Layout road from more to Kempegowda Nagar in Ward No.09 in Vidyaranyapura Sub Division, BBMP, Bangalore.
REFERENCE	AEE/VSD/PR/445/6/2013-14 Dated: 28.02.2014
SAMPLE I/D	Asphalting to Telecom Layout road from more to Kempegowda Nagar in Ward No.09
DATE OF TESTING	14.03.2014

BITUMEN CONTENT DETERMINATION

Description	Trail 1	Trail 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	474	475
3. Weight of Asphalt and Mineral matter Extracted,	-	-
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g		
6. Weight of Bitumen Extracted, g. (corrected)	26	25.00
7. Bitumen content in %	5.20	5.00
8. Average	5.10	

GRADATION AFTER EXTRACTION

SIEVE SIZE	Trail 1				JOBMIX
mm	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	Gradation
13.2	0	0	0	100	100
9.5	38.79	8.18	8.18	91.82	90-100
4.75	263.1	55.51	63.69	36.31	35-51
2.36	57.13	12.05	75.74	24.26	24-39
1.18	42.56	8.98	84.72	15.28	15-30
0.3	28.97	6.11	90.83	9.17	9-19
0.075	27.25	5.75	96.58	3.42	3-8

SIEVE SIZE	Trail 2				JOBMIX
mm	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	Gradation
13.2	0	0	0	100	100
9.5	27.32	5.46	5.46	94.54	90-100
4.75	241.6	48.32	53.78	46.22	35-51
2.36	89.4	17.88	71.66	28.34	24-39
1.18	52.78	10.56	82.22	17.78	15-30
0.3	33.25	6.65	88.87	11.13	9-19
0.075	24.85	4.97	93.84	6.16	3-8

Note:

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